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			DOCUMENTS			handa da d			
xaminer Initial	Document Num	ber Patent/ Publication Date	Name	Class	SubClass	Filing I Appro			
	6,602,677 B1	08/05/03	Wood et al.	435	8		*********		
	7,183,092 B2	02/27/07	Choi et al.	435	189				
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	0 680 515 B1	08/26/98	EP	C12Q	1/04	X			
	1 224 294 B1	10/03/07	EP	C12N	15/53	X			
	WO 95/18853	07/13/95	PCT	C12N	9/02	X			
	WO 96/02665	02/01/96	PCT	C12Q	1/04	X			
	WO 96/22376		PCT	C12N	15/53	X			
	WO 99/14336		PCT	C12N	15/53	X			
	WO 01/20002		PCT	C12N	15/53	X			
	2 345 913	07/26/00	United Kingdom	C12N	15/53	X	L		
	OTHER DOCUMEN								
	Sambrook, J. o 1989; pp. 17.3		Cloning - A Laborat	ory Manual	"; Second	l Editi	on;		
			ience Analysis, and	Expression	of Active				
			ciferases: Relationsl				nce		
	1 1 1			•					
		Spectra and Primary Structures"; Biochemistry 1999, 38; pp. 8271-8279  Alberts, B. et al.; "Molecular Biology of THE CELL" Third Edition; Garland							
	Publishing, Inc.; 1994; pp. 56-57								
		Arkin, A. et al.; "Optimizing Nucleotide Mixtures to Encode Specific Subsets Amino Acids for Semi-Random Mutagensis"; Bio/Technology, Vol. 10, Marc 1992; pp. 297-300  Climie, S. et al.; "Saturation Site-directed Mutagenesis of Thymidylate Synth							
	1 1 1								
	2 3 1			-					
		Biological Chemi	stry; Vol. 265, No.	31; Novem	per 5, 199	νυ; pp.	•		
	18776-18779	"Crietal atmixtum	e of firefly luciferas	e throws lie	tht on a				
	) ( )	. •	g enzymes"; Structu		•	arch 1	5		
	1996; pp. 287	· ·	5 encymos, on well	, Y U.S. T,	. 10. J, 1910	acwil i.	~,		
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INFORMATION DISCLOSURE STATEMENT		Atty. Docket No.: 63775US008  Confirmation No. 3738			Serial	Serial No.: 09/763,824				
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			Aci	ds Research;	Vol. 12; No. 1, Part	2; January	11, 1984	; pp.3	387~	
		Fromant, M. et al.; "Direct Random Mutagenesis of Gene-Sized DNA Fragments								
									nts	
		Using Polymerase Chain Reaction; Analytical Biochemistry; Vol. 224, No. 1, January 1, 1995; pp. 347-353								
					of Biologically Acti	ive Mutants	s by Com	hinato	rial	
•		Huang, W. et al.; "Identification of Biologically Active Mutants by Combinatorial Cassette Mutagenesis: Exclusion of Wild-Type Codon from Degenerate Codons";								
		Analytical Biochemistry; Vol. 218; No. 2, May 1, 1994; pp. 454-457								
					nsitive Protein Simi			ence;	Vol	
		227; March 22,				•		,		
		Sanger, F. et al	.; "D	NA sequencia	ng with chain-termi	nating inhi	bitors";			
		Proceedings of	the I	National Acad	lemy of Sciences; V	/ol. 74; No	. 12; Dece	ember	ľ	
		1977; pp.5463-								
~ ~					logy of the Gene" F					
		1	ming	gs Publishing	Company; Vol. 1 -	General Pr	inciples;	1987;	p.	
		43								
EXAMI	INER				Date Considered					
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*Examiner:	Initial if	reference considered. w	hether	or not citation is is	conformance with MPEP	609; Draw line	through citati	ion if no	ot in	
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- 1	OTHE	R DOCUMENT	S (In	cluding Aut	hors, Title, Date, Pe	rtinent P	apers, et	e.)	L
		"QIAprep® Mi	nipre	p Handbook;	Qiagen Distributors	; March 20	002		
		Willey, T. et al.; "Design and Selection of Firefly Luciferases with Novel In Vivo							vo
		and In Vitro Properties"; Proceedings of the 11th International Symposium on							
	<del>  </del>	Bioluminescence & Chemiluminescence; September 6-10, 2000; pp. 201-20-							<u>.</u>
		Steghens, J. et al.; "Firefly luciferase has two nucleotide binding sites: effect of nucleoside monophosphate and CoA on the light-emission spectra"; Biochem. J.;							
		(1998) 336, pp 109-113							V 13
	<del>                                     </del>	Kim-Choi, E. et al.; "Kinetic characterization and <i>in vitro</i> toxicity evaluation of a luciferase less susceptible to HPV chemical inhibition"; Toxicology in Vitro 20						f a	
		(2006) pp. 1537-1547							
		Kim-Choi, E. et al.; "Creating a mutant luciferase resistant to HPV chemical inhibition by random mutagenesis and colony-level screeing"; Luminescense							
	<del>  </del>	2006; 21: pp. 13	33-14	42					
EXAMI	NED	1		·····	Date Considered				
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